

transmitted packets in which the headers therein are to be compressed in comparison to the header contained in the current packet; and

transmitting from the receiver to the transmitter an acknowledgment packet that the receiver has received the current packet; and wherein

the header of the current packet is one of a full header or a first order compressed header; and

the compressed header of the subsequently transmitted packets is a second order compressed header.

Cancel claim 3 without disclaimer or prejudice.

Cancel claim 4 without disclaimer or prejudice.

9. (Amended) A system comprising:

a transmitter which transmits a plurality of packets each containing a header;

a receiver which receives the transmitted plurality of packets; and wherein

the transmitter transmits a current packet to the receiver containing information that the transmitter is prepared to send subsequently transmitted packets in which the headers therein are to be compressed in comparison to the current packet and the receiver transmits an acknowledgment packet that the receiver has received the current packet; and wherein

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Cont.

the header of the current packet is one of a full header or a first order compressed header; and

the compressed header of the subsequently transmitted packets is a second order compressed header.

Cancel claim 11 without disclaimer or prejudice.

Cancel claim 12 without disclaimer or prejudice.

94. (Amended) A method of reducing a number of bits contained in headers of a sequence of transmitted packets comprising:

transmitting at least one sequence of packets from a transmitter to a receiver with each sequence containing at least one packet containing a full header or a first order compressed header followed by at least one packet containing a compressed header having fewer bits than the full header or a first order compressed header; and

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in response to one of the packets received by the receiver containing a full header or a first order compressed header transmitting from the receiver to the transmitter an acknowledgment that the receiver has received the one packet containing the full header; and wherein

the compressed header of the subsequently transmitted packets is a second order compressed header.
